EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	392	suspension with (magnet$4 head slider) with (hard disk disc drive) and ($3radiat$4 laser energy beam) with (correct$4 modif$7 chang$3 alter$5) with (angle bend$3 bent inclin$5 orient$5 structur $4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 12:06
L2	126	L1 and (roll suspension) with (correct$4 modif$7 chang$3 alter$5) with (angle bend$3 bent inclin$5 orient$5 structur $4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 12:06
L3	30	L1 and (roll suspension) with (correct$4 modif$7 chang$3 alter$5) with (angle bend$3 bent inclin$5 orient$5 structur $4) with ($3radiat$4 laser energy)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 12:07
L4	6	3 and ($3radiat$4 laser energy) with (multiple plural$4 different separate opposite side) near2 (area locat$4 spot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 12:21
L5	3	(("5682780") or ("5832764") or ("6011239")).PN.	USPAT; USOCR	OR	OFF	2009/04/28 12:25
L6	261	(twist$3 bend$3 warp $3) with opposi$3 adj corner	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 12:32
L7	16	6 and (twist$3 bend$3 warp$3) with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 12:32

L8	15	7 not "6571589".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:04
L9	12	8 and (chang.in. khlif. in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:06
L10	42	("20010046105" | "20020035778" | "20020179861" | "20030021067" | "20030029847" | "4910621" | "5156704" | "5220471" | "5237476" | "5256850" | "5266769" | "5303105" | "5442850" | "5687042" | "5713123" | "5982583" | "6073337" | "6075604" | "6107599" | "6108170" | "6228873" | "6288873" | "6295719" | "6321440" | "6441385" | "6501048" | "6546355" | "6548009" | "6552302" | "6631548" | "6784398" | "6888701").PN. OR ("2002/0179861" | "2003/0021067" | "2003/0029847" | "2005/0180051" | "6441385" | "6548009" | "6627909" | "6784398" | "6888701" | "7133257").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/28 13:06

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L16	10	15 and (twist$3 bend$3 warp$3) with laser and (twist$3 bend$3 warp $3) with opposi$3 adj corner	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:08
L17	12	(disk head slider) with (twist$3 bend$3 warp $3) and (twist$3 bend $3 warp$3) with laser and (twist$3 bend$3 warp$3) with opposi$3 adj corner	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:11
L18	12	(disk head slider) with laser and (twist$3 bend $3 warp$3) with laser and (twist$3 bend$3 warp$3) with opposi$3 adj corner	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:12
L19	151	(disk head slider) with laser and (twist$3 bend $3 warp$3) with laser and (twist$3 bend$3 warp$3) with opposi$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:12

L20	63	(disk head slider) with laser and (twist$3 bend$3 warp$3) with laser and (twist$3 bend$3 warp$3) with opposi$3 with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:13
L21	3	(disk head slider) with suspension and (disk head slider) with laser and (twist$3 bend$3 warp$3) with laser and (twist$3 bend$3 warp$3) with opposi$3 with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:14
L22	15	18 21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:36
L23	3	22 and (header outrigger spring plate) with (laser irradiat$4 melt$3 warp$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:38
L24	13	22 and slider with (laser irradiat$4 melt$3 warp$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:41
L25	13	22 and slider with (laser irradiat$4 melt$3 warp$3) with (opposi$4 corner diagonal$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:42
L26	34	("20020108427" | "20040074879" | "20060130552" | "4330363" | "4691241" | "5177343" | "5355252" | "5622567" | "5719374" | "6011239" | "6058132" | "6086773" | "6640604" | "6806723" | "6837092" | "7021097").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:46
L27	13	25 not 26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:46

L28	2	"20040037011"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:50
L29	4	"2000339894"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 13:54
L30	1	("4691241").PN.	USPAT; USOCR	OR	OFF	2009/04/28 14:11
L31	1	galvano adj2 mirror with polariz$4 same laser with (heat$3 melt $3 ablat$4 machining etch$4 $3crystalliz$6 weld$3 textur$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 14:14
L32	1	("5622567").PN.	USPAT; USOCR	OR	OFF	2009/04/28 14:18
S1	34	("20020108427" | "20040074879" | "20060130552" | "4330363" | "4691241" | "5177343" | "5355252" | "5622567" | "5719374" | "6011239" | "6058132" | "6086773" | "6640604" | "6806723" | "6837092" | "7021097").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 11:42
S2	392	suspension with (magnet $4 head slider) with (hard disk disc drive) and ($3radiat$4 laser energy beam) with (correct$4 modif$7 chang$3 alter$5) with (angle bend$3 bent inclin$5 orient$5 structur $4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 11:48
S3	33	S2 and roll with (correct $4 modif$7 chang$3 alter$5) with (angle bend$3 bent inclin$5 orient$5 structur$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/28 11:50

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